



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
REGION II
245 PEACHTREE CENTER AVE., NE SUITE 1200
ATLANTA, GEORGIA 30303-1257

June 8, 2010

Mr. Cary Alstadt
Manager, Columbia Plant
Westinghouse Electric Company
Commercial Nuclear Fuel Division
5801 Bluff Road, Drawer R
Columbia, SC 29250

SUBJECT: NUCLEAR REGULATORY COMMISSION INSPECTION REPORT
NO. 70-1151/2010-003

Dear Mr. Alstadt:

This letter refers to the inspection conducted at your Columbia, SC facility from May 10-13, 2010. The purpose of the inspection was to determine whether activities authorized by the license were conducted safely and in accordance with Nuclear Regulatory Commission (NRC) requirements. On May 13, 2010, the inspector discussed the findings with members of your staff.

The results of the inspection are documented on the enclosed NRC Form 591FF, "INSPECTION REPORT." No violations were identified during the inspection of your licensed activities. Please retain the original form for your files.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be made available electronically for public inspection in the NRC Public Document Room or from the NRC's document system (ADAMS), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

If you have any questions, please call me at (404) 997-4721.

Sincerely,

/RA/

Daniel W. Rich, Chief
Fuel Facility Inspection Branch 3
Division of Fuel Facility Inspection

Docket No. 70-1151
License No. SNM-1107

Enclosure: (See page 2)

Enclosure: NRC Form 591FF Parts 1 and 3

cc w/encl:
 Marc Rosser
 Manager
 Environment, Health and Safety
 Commercial Nuclear Fuel Division
 Electronic Mail Distribution

Susan E. Jenkins
 Assistant Director, Division of Waste Management
 Bureau of Land and Waste Management
 Department of Health and Environmental Control
 Electronic Mail Distribution

Distribution w/encl:
 D. Rich, RII
 R. Gibson, RII
 P. Habighorst, NMSS
 C. Ryder, NMSS
 PUBLIC

*see previous concurrence

PUBLICLY AVAILABLE NON-PUBLICLY AVAILABLE SENSITIVE NON-SENSITIVE

ADAMS: Yes ACCESSION NUMBER: _____ SUNSI COMPLETE

OFFICE	RII:DFFI	RII:DFFI	RII:DFFI			
SIGNATURE	RP 5/25/10	GG 5/25/10	RG 5/25/10			
NAME	R Prince*	GGoff*	RGibson*			
DATE	05/ /2010	05/ /2010	05/ /2010			
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

INSPECTION REPORT

1. LICENSEE OR CERTIFICATE HOLDER/LOCATION INSPECTED: Westinghouse Electric Corporation Commercial Nuclear Fuel Division Columbia, SC 29250		2. NRC/REGIONAL OFFICE: U.S. Nuclear Regulatory Commission Region II 245 Peachtree Center Ave., NE Suite 1200 Atlanta, Georgia 30303-1257	
REPORT NO: 2010-003			
3. DOCKET NUMBER: 70-1151	4. LICENSE OR CERTIFICATE NUMBER: SNM-1107	5. DATE(S) OF INSPECTION: May 10-13, 2010	

LICENSEE OR CERTIFICATE HOLDER:

The inspection was an examination of the activities conducted under your license or certificate as they relate to safety and/or safeguards and to compliance with the Nuclear Regulatory Commission (NRC) rules and regulations and the conditions of your license or certificate. The inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observations by the inspector. The inspection findings are as follows:

- 1. Based on the inspection findings, no violations were identified.
- 2. Previous violation(s) closed.
- 3. Reported events reviewed
- 4. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy, to exercise discretion, were satisfied.
Non-Cited Violation(s) was/were discussed involving the following requirement(s) and Corrective Action(s):

- 5. During this inspection, certain of your activities, as described below and/or attached, were in violation of NRC requirements and are being cited. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11.
(Violations and Corrective Actions)

LICENSEE OR CERTIFICATE HOLDER STATEMENT OF CORRECTIVE ACTIONS FOR ITEM 5, ABOVE

I hereby state that, within 30 days, the actions described by me to the inspector will be taken to correct the violation(s) identified. This statement of corrective actions is made in accordance with the requirements of 10 CFR 2.201 (corrective steps already taken, corrective steps which will be taken, date when full compliance will be achieved). I understand that no further written response to the NRC will be required, unless specifically requested.

Title	Printed Name	Signature	Date
LICENSEE/CERTIFICATE HOLDER REPRESENTATIVE			
NRC INSPECTOR	R. Prince, G. Goff	/RA/	5/25/10

INSPECTION REPORT

1. LICENSEE OR CERTIFICATE HOLDER/LOCATION INSPECTED:

Westinghouse Electric Corporation
Commercial Nuclear Fuel Division
Columbia, SC 29250

2. NRC/REGIONAL OFFICE:

U.S. Nuclear Regulatory Commission
Region II
245 Peachtree Center Ave., NE Suite 1200
Atlanta, GA 30303-1257

REPORT NO:

2010-003

3. DOCKET NUMBER:

70-1151

4. LICENSE OR CERTIFICATE HOLDER NUMBER:

SNM-1107

5. DATE(S) OF INSPECTION:

May 10-13, 2010

6. INSPECTOR(S): R. Prince and G. Goff (in training)

7. INSPECTION PROCEDURES USED: 88025 and 88010

EXECUTIVE SUMMARY

Summary of Plant Status

The Westinghouse Facility converts uranium hexafluoride into uranium dioxide and fabricates fuel assemblies for use in commercial nuclear power reactors. During the inspection period, the plant was returning from a maintenance outage with production activities in various stages of operation. This routine, announced inspection included a review of the maintenance and surveillance of safety controls and operator training programs. The inspection involved observation of work activities, a review of selected records, and interviews with plant personnel. The inspection identified the following aspects of the license program as outlined below:

Maintenance and Surveillance of Safety Controls – 88025

- The inspectors walked down the vaporization, conversion, and pelleting areas. The inspectors noted that work areas were free of clutter and debris. These areas were either in operation or final preparations in progress to place processes back in service. The inspector noted that housekeeping conditions in general had improved since the last inspection.
- The inspectors reviewed work orders and functional test packages for selected work activities performed during the previous week's maintenance outage. No issues of safety significance were identified.
- During the inspection, the inspectors observed the performance of a functional test of dust collector probes (VENT-URRS-LAHH-993A&B). The functional test is performed to confirm that required audible and visual alarms actuate in the event that powder levels reach pre-set levels. The level probes are redundant and provide indication of powder buildup inside the dust collector. In the event of an alarm the area operator is required to notify the team manager and halt operation. The high-high level alarm tested successfully. The high-level audible alarm, however, failed to actuate during the functional test. Based on the failure of the high-level audible alarm to actuate when tested, the licensee declared the situation as a degraded IROFS and entered the issue in the corrective action program.

Based on discussions with licensee representatives, the inspectors discovered that the high-level dust collector probe had recently been classified as an IROFS. This was the first functional check of the high-level probe requiring the audible alarm feature. The inspectors reviewed the previous functional check work package performed on the dust collector and noted that the functional check only included the high-high level probe. The inspectors questioned the licensee concerning the configuration control process utilized to re-classify the high-level probe and whether the process had provisions to initially test the audible alarm. Pending resolution of the licensee's investigation, an unresolved item was opened to track this issue (URI 70-1151/2010-003-01).

EXECUTIVE SUMMARY (Continued)

- The inspectors discussed the training and qualification of maintenance personnel with responsible individuals. The inspectors noted that the licensee hires suitably qualified individuals for entry level positions. Based on an individual's previous work experience, the individual enters a training and qualification program consisting of various technical training modules and on-the-job training sessions. The inspectors reviewed training manuals and associated training documentation. No issues of safety significance were identified.
- The inspectors reviewed the licensee's work control process with emphasis on the scheduling and performance of safety significance controls (SSCs) and IROFS functional checks. Licensee personnel demonstrated the process for scheduling routine functional checks and the mechanisms established to ensure that scheduled functional checks and surveillances are performed as scheduled. Based on a review of documentation and discussions with licensee representatives, the inspectors found that adequate mechanisms have been established to monitor and track the reliability and availability of SSCs and IROFS.

Operator Training/Retraining – 88010

- The inspectors discussed the training and qualification program for operators with responsible individuals. The inspectors noted that the operator training program consists of classroom sessions, on-the-job training modules, and a review of applicable procedures and includes periodic re-qualification training. No issues were identified.
- Based on a review of documentation, the inspectors noted that training records were current and adequately maintained.

Exit Meeting Summary

The inspection scope and results were summarized on Thursday, May 13, 2010, with Marc Rosser and other members of your staff. The inspector asked the licensee staff whether any materials examined during the inspection should be considered proprietary. Although proprietary information was discussed, no proprietary information was mentioned in this report.

EXECUTIVE SUMMARY (Continued)

Key Points of Contact

<u>Name</u>	<u>Title</u>
M. Rosser	Manager, Environment, Health and Safety
P. Bartman	Licensing & Regulatory Program, EH&S
D. Precht	Manager, Operations
R. Bates	Manager, Maintenance and Equipment Impairment
A. Goldberg	Process Engineer
R. Byrd	Manager, Plant Instrument Team
A. Parker	Manager, CMMS
N. Parr	Manager, Reliability Engineering
L. Robinson	Supervisor, Conversion
J. Hughes	Learning Services
J. Spires	Learning Services
W. Macecevic	Manager, Transformation Work Management

List of Items Opened, Closed, Discussed

<u>Item Number</u>	<u>Status</u>	<u>Description</u>
URI 70-1151/2010-003-01	Opened	Failure of IROFS to past a functional check